

## CLAIMS

- 1 1. A method for selecting one of several receivers, (E1, E2) of a diversity receiving  
2 system, characterized in that the levels of the control signals (AGC1, AGC2) of the automatic  
3 gain control of the receivers (E1, E2) are compared with one another, and that receiver is  
4 selected whose control signal has the lowest level.
- 1 2. The method of Claim 1 characterized in that a switchover to another receiver occurs  
2 only if the level of its control signal lies below the level of the other control signal by a  
3 specifiable minimum.
- 1 3. The method of Claims 1 or 2, characterized in that a mobile diversity receiving system  
2 is involved.
- 1 4. The method of Claims <sup>1</sup>1, 2, or <sup>2</sup>3 characterized in that the receivers are audio and/or  
2 video receivers.
- 1 5. The method of one of the preceding Claims, characterized in that, if the reception  
2 signals are transmitted in blocks, switchover from one receiver to another occurs between two  
3 blocks.
- 1 6. The method of Claim 5, characterized in that, in a diversity receiving system with video

2 receivers, switchover from one video receiver to another one occurs with line or picture  
3 synchronization.

1 7. A circuit arrangement for implementing the method of one of the preceding claims,  
2 characterized in that the outputs of several receivers (E1, E2) for the control signal (AGC1,  
3 AGC2) of the automatic gain control are connected to the inputs of a comparator (VL), whose  
4 output is connected to the control input of a controllable changeover switch (U), and that the  
5 signal outputs of the receivers (E1, E2) are connected to the inputs of the controllable  
6 changeover switch (U), at whose output is present the output signal (S) of the selected receiver.

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6 8. A circuit arrangement to implement the method of one of the preceding claims,  
characterized in that the outputs of several receivers (E1, E2) for the control signal (AGC1,  
AGC2) of the automatic gain control are connected to the inputs of a comparator (VL), whose  
output is connected to the first control input of a block synchronizer (BS), and that the control  
output of the block synchronizer (BS) is connected to the control input of a controllable  
6 changeover switch (U), and that the signal outputs of the receivers (E1, E2) are connected to  
7 the inputs of the controllable changeover switch (U), whose output is connected to the second  
8 control input of the block synchronizer (BS), and that the output signal (S) of the selected  
9 receiver can be tapped from the output of the controllable changeover switch (U).

1 9. The circuit arrangement of Claim 8, characterized in that the receivers (E1, E2) are  
2 television receivers and that the block synchronizer (BS) controls the line or picture

3 synchronization.

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